

Message

**From:** Myles Morse [Morse.MylesLNDU@usepa.onmicrosoft.com]  
**Sent:** 7/10/2012 4:19:14 PM  
**To:** ORD-ALL; Regional Science Liaisons to ORD [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=440c2a8cb6d34150895c8541ee1975d3-Regional Science Liaisons to ORD]  
**Subject:** Childrens Research Centers Webinar Series July 11, 2012: Health Effects of Environmental Exposures  
**Attachments:** DIB0001; DIB0002; DIB0003

**Importance:** High



hi folks -

You and interested staff are cordially invited to join our 5th webinar, Wednesday, July 11, 2012, in our monthly series designed to share research progress and significant findings from the Centers for Children's Environmental Health and Disease Prevention Research ("Children's Centers"). Wednesday's webinar will include 2 presentations about health effects of environmental exposures - the effects of prenatal exposures on children's health and development and how animal models can help us understand the effects of environmental exposures including air pollutants. Following both presentations, we will have about 30 minutes for questions and answers. **We urge you to let your colleagues know about these webinars - there is no limit to the number of people that can participate in the webinar.**

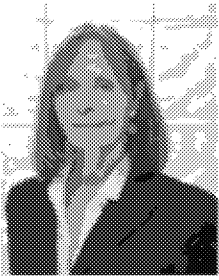
The EPA/NIEHS Children's Centers were established in 1998 to explore ways to reduce children's health risks from environmental factors. The program is jointly funded by EPA through the Science to Achieve Results (STAR) grants program, and the National Institute of Environmental Health Sciences (NIEHS).

**This week's webinar will be on Wednesday, July 11, 2012 from 1:00 p.m. - 2:30 p.m. EDT**

**To register go to: <http://www.epa.gov/ncer/childrenscenterswebinars>**

Wednesday's presentations include:

**Effects of Prenatal Environmental Exposures on Child Health and Development**



### **Dr. Frederica Perera**

Professor at Columbia University Mailman School of Public Health  
Director of the Columbia Center for Children's Environmental Health (CCCEH)  
Director of Columbia's DISCOVER Center

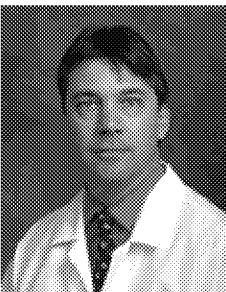
Dr. Frederica Perera, Dr.P.H. is a professor at Columbia University's Mailman School of Public Health, where she serves as director of the Columbia Center for Children's Environmental Health and of the DISCOVER (Disease Investigation Through Specially Clinically-Oriented Ventures in Environmental Research Center) Dr. Perera is a widely recognized expert in the field of children's environmental health and internationally recognized for pioneering the field of molecular epidemiology, beginning with studies of cancer. She and her colleagues are applying advanced molecular and imaging techniques within longitudinal cohort studies of pregnant women and their children, with the goal of identifying preventable risk factors for developmental disorders, asthma, obesity and cancer in childhood. Dr. Perera received her undergraduate degree from Radcliffe/Harvard University and her Masters and doctoral degrees in Public Health from Columbia University. Her areas of specialization include prevention of environmental risks to children, molecular epidemiology, disease prevention, environment-susceptibility interactions, and risk assessment. She is the author of more than 200 publications and has received numerous honors, including: First Irving J. Selikoff Cancer Research Award, The Ramazzini Institute (1995); Newsweek, The Century Club Award (1997); First Children's Environmental Health Award, The Pew Center for Children's Health and the Environment (1999); Distinguished Lecturer, National Cancer Institute, Occupational and Environmental Cancer (2002); Doctoris Honoris Causa, Jagiellonian University, Krakow, Poland (2004); Children's Environmental Health Excellence Award, U.S. Environmental Protection Agency (2005); and CEHN (Children's Environmental Health Network) Award (2008).

#### **What you will learn:**

- What are some of the key endocrine disrupting chemicals and their association with child health and development?**
- What is the role of epigenetic mechanisms in mediating the effects of prenatal environmental exposures?**
- What are some interventions that could reduce the levels of children's exposure to toxic pollutants?**

and:

### **Embracing Complexity: Animal Models of Environmental Exposure Health Effects**



**Richard Auten**

Professor of Pediatrics at Duke University  
Co-Director of the Duke Children's Center, the Southern Center for Environmentally  
Driven Disparities in Birth Outcomes (SCEDDBO)

Richard Auten is Professor of Pediatrics at Duke University, and co-director of the EPA-funded Children's Environmental Health Center, the Southern Center for Environmentally Driven Disparities in Birth Outcomes, at Duke University. He is a neonatologist at Duke's neonatal intensive care unit. His research interests for the last twenty years have focused on the oxidative, inflammatory, and environmental disruptors of post-natal lung development and function, chiefly aimed at the prevention of bronchopulmonary dysplasia, a complication of prematurity that increases the risk to develop asthma. Recent work in his laboratory using rodent models has focused on the effects of combined air pollutants and other stressors during pregnancy and the immediate postnatal period on pulmonary structure and function. Most recently the research group has extended these investigations to the impacts on neurocognitive development and behavior. Before joining the faculty of Duke University in 1990, he completed a fellowship in Neonatal-Perinatal Medicine at the University of Rochester where he also obtained his training in pediatrics. Prior to his sub-specialty training he was a practicing pediatrician in Tarboro, NC. He received his A.B. in chemistry and medical degrees from the University of North Carolina at Chapel Hill.

**What you will learn:**

- **Toxicologic approaches must account for ethological distinctions.**
- **Complex animal exposures are needed to understand human health effects.**
- **Maternal stress affects health in offspring, even during pregnancy.**

**For more information on this webinar series and to register please see:  
<http://www.epa.gov/ncer/childrenscenterswebinars>**

Thank you!

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